

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (currently amended) A carbon aerogel molded part formed without aqueous binders containing a filler including inorganic hollow spheres and having a thermal conductivity of up to $0.5 \text{ Wm}^{-1}\text{K}^{-1}$, where the pore space between the hollow spheres is essentially completely filled by the aerogel.
2. (currently amended) The carbon aerogel molded part according to claim 1, wherein said aerogel further comprises silica aerogels, plastic aerogels or organic aerogels, or combinations thereof.
3. (currently amended) The carbon aerogel molded part according to claim 1, wherein said hollow spheres consist of glass.
4. (currently amended) The carbon aerogel molded part according to claim 1, wherein the thermal conductivity of the filler is up to $0.1 \text{ Wm}^{-1}\text{K}^{-1}$.
5. (currently amended) The carbon aerogel molded part according to claim 1, wherein said aerogel contains a filler in an amount of from about 70% to 90% by volume.

6. (currently amended) The carbon aerogel molded part according to claim 1, wherein the thermal conductivity of the molded part is lower than the thermal conductivity of the filler-free aerogel.

7. (currently amended) A process for the preparation of ~~an~~the carbon aerogel molded part according to claim 1, comprising the steps of:

- a. preparation of a sol without aqueous binders;
- b. mixing the sol with a filler;
- c. gelling of the sol into a gel; and
- d. drying of the gel ; and
- e. pyrolyzing the resulting carbon aerogel molded part.

8. (cancelled)

9. (new) The carbon aerogel molded part according to claim 1, wherein said aerogel further comprises resorcinol/formaldehyde aerogels.

10. (new) The carbon aerogel molded part according to claim 1, wherein said part is filled with at least 30% by volume carbon aerogel.

11. (new) The carbon aerogel molded part according to claim 1, wherein said part is filled with between 30% to about 45% carbon aerogel.

12. (new) The carbon aerogel molded part according to claim 1, wherein said hollow spheres have a diameter of about 20 to 200 μm .